

SMC-6800 Slipform Paver

The SMC-6800 slipform paver is a multifunctional cement concrete construction equipment independently developed by our company, widely used in various construction fields such as highways, Airport runway and apron, high-speed railway subgrades, agricultural irrigation channels etc. It replaces traditional processes and greatly improves the construction quality and speed of the above-mentioned cement concrete structures.



This machine has a large power reserve, fully electronic control, fully hydraulic power drive, four track traveling, equipped with automatic steering and automatic leveling control system, and can complete the process of material separation, vibration, paving, forming, slurry extraction, and plastering of cement concrete structures in one go.

Functional Advantages

Vibration Compaction System

- ▶ High quality hydraulic vibrator with square head shell.
- ▶ Equipped with 24 standard vibration circuits, with stepless frequency adjustable from 0 to 167 Hz.

Concrete Spreading System

- ▶ Use a dump truck to directly unload the concrete in front of the paver, and spread the irregular concrete pile with an excavator.
- ▶ Two hydraulic driven spreading augers with independent control and infinitely adjustable revolution.

Water System

- ▶ Type: High pressure washer with water gun.
- ▶ One Standard water tank capacity is 400L, four 130L tanks option.

Tamper Bar Device

- ▶ Hydraulic driven stepless frequency regulation.
- ▶ Push down the surface coarse aggregate to create a surface slurry layer.

Power System

- ▶ Optional engine, standard equipped with a water-cooled engine, powerful and reliable in operation.
- ▶ The engine meets environmental requirements and has an energy-saving mode.

Hydraulic System

- ▶ Four pump load sense hydraulic system from well-known international brands.
- ▶ The inlet and outlet ports of the pump are equipped with high quality filters.
- ▶ Equipped with a parallel three in one large-sized radiator, forced air cooling, and significant heat dissipation effect.

Electronic Control System

- ▶ Color graphic and text display on the main console with fault diagnosis, working status, and alarm.
- ▶ The steering, grade, and slope of slipform paver are electronic automatic control, and the sensors and controllers communicate by CAN-bus.
- ▶ Configure four longitudinal slope sensors and two steering sensors.

Traveling Device

- ▶ Four-track hydraulic drive, high traction.
- ▶ Load sense hydraulic drive with low system heating.

Frame structure

- ▶ Rigid frame with large end face thickness is adopted, which is stable without deformation and can be spliced with multiple widths to adapt to different widths and working conditions.
- ▶ The swing arm of the column can be adjusted, which can adapt to the width requirements of the transport vehicle for the convenience of transfer transport in the basic configuration.

Mould structure

- ▶ Compact structure, suitable for working space with smaller subgrade width.
- ▶ The mold side template can be opened to facilitate washing and cleaning after daily use.
- ▶ Overall and different width fast disassembly structure design. Optional double pitch mould with camber.

Lighting and auxiliary systems

- ▶ LED headlights, plug and play.
- ▶ Hard liftable roof is optional.

Side Tie Bar Inserter(Optional)

- ▶ Equipped with left and right side tie bar inserter.
- ▶ They can be operated automatically and manually.

Oscillating Beam(Optional)

- ▶ Hydraulic driven stepless frequency regulation.
- ▶ Automatically improve the concrete surface In case of paver stoppages.

Super Smoother(Optional)

- ▶ Hydraulic driven stepless frequency regulation.
- ▶ Provide the final finish for superior rideability of road.

DBI Inserter(Optional)

- ▶ Capable of adapting to many specifications of dowel sbars to meet various engineering needs.
- ▶ Equipped with automatic and manual control modes,and a synchronous unstertion system.

Technical Specifications

Basic Parameters	Paving Width	3500~8000 mm (max 9500 mm)	vibrator	Vibrating Circuits	24 channels
	Paving Thickness*	100~480 mm		Vibrating Frequency	0~167 Hz
	Smoothness	±3 mm /3 m long	Tank Capacity	Diesel Tank	370 L
	Paving speed	0~6 m/min		Hydraulic Oil Tank	470 L
	Speed	0~1.1 km/h		Water Tank	400 L(standard) +140 Lx4(option)
Overall Size (8 meter wide mold (transportation/work)	Total length	15550/8950 mm	Engine	Model	SC7H240G4 / Cummins QSB6.7-260 (optional)
	Width	2800/10150 mm		Power	177 kW@2200 rpm / 194 kW@2200 rpm(optional)
	Height	3280/4300 mm		Emission	Stage 4 / Stage 3(optional)

Note: The paving thickness is related to the paving width, and larger thicknesses and width need to be consulted with the manufacturer.

Construction Cases



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The company reserves the right to change the above parameters. NO: 202609-6800



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